



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

Trulite Window & Door Solutions, LLC
8130 NW 74th Avenue
Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "440" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W08-87**, titled "Series 440 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 3 of 3, dated 10/28/08 with revision "B" dated 12/23/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. **10-0804.05** and consists of this page 1 and evidence pages E-1, and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
2/15/12

NOA No. **12-0118.10**
Expiration Date: **January 1, 2014**
Approval Date: **February 23, 2012**
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-1030.08)
2. Drawing No. **W08-87**, titled "Series 440 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 3 of 3, dated 10/28/08 with revision "**B**" dated 12/23/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a series "Impact View" aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5625**, dated 07/12/08, signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No. 08-1030.08)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and FBC-2007, prepared by Al-Farooq Corporation, dated 10/27/08, signed and sealed by Humayoun Farooq, P. E.
(Submitted under previous NOA No. 10-0804.05)
2. **Glazing complies with ASTM E1300-02/04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0325.05** issued to Solutia Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated 01/04/12, signed and sealed by Javad Ahmad, P. E.
2. Florida Dept of State, listing of Trulite Window & Door Solutions, LLC (Foreign Limited Liability Co.), managed by Arch Intermediate Holding, LLC, Tamarac, Fl., dated 02/03/10.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0118.10
Expiration Date: January 01, 2014
Approval Date: February 23, 2012

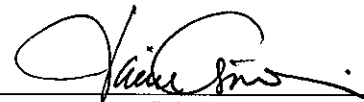
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

3. Certificate of registration of name change from "Trulite Residential Windows, LLC" to "Trulite Window & Door Solutions, LLC" issued by State of Delaware on 10/28/11, signed by J.W. Bullock.
4. Certificate of registration of name change from "Arch Windows, LLC" to Trulite Residential Windows, LLC" issued by State of Delaware on 07/27/11, signed by J.W. Bullock.
5. Florida Department of State, listing of Arch Window, LLC (Foreign Limited Liability Co.), managed by Arch Intermediate Holding, LLC, Tamarac, Florida, dated 01/22/10.
6. Certificate of registration of Arch Windows, LLC (Delaware) in State of Florida dated 02/04/10, managed by Arch Intermediate Holding, LLC.

G. OTHERS

1. Notice of Acceptance No. **10-0804.05**, issued to Arch Windows, LLC dba AWP for their Series "440 Aluminum Fixed Window-L.M.I.", approved on 11/24/10 and expiring on 01/01/14.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
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DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	50-5/8"	80.0	120.0	80.0	120.0
37"		77.8	116.8	77.8	116.8
42"		68.6	102.9	68.6	102.9
48"		60.0	90.0	60.0	90.0
53-1/8"		57.2	85.8	57.2	85.8
60"	63"	57.2	85.8	57.2	85.8
36"		80.0	113.1	80.0	120.0
37"		77.8	111.2	77.8	116.8
42"		68.6	102.9	68.6	102.9
48"		60.0	90.0	60.0	90.0
53-1/8"		54.2	81.3	54.2	81.3
36"	74-1/4"	80.0	120.0	80.0	120.0
37"		77.8	116.8	77.8	116.8
42"		68.6	102.9	68.6	102.9
36"	80"	80.0	109.4	80.0	120.0
37"		77.8	107.3	77.8	116.8
42"		68.6	98.6	68.6	102.9
36"	84"	80.0	102.8	80.0	120.0
37"		77.8	100.8	77.8	116.8
36"	95"	80.0	99.1	80.0	120.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).

SERIES 440 ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHART SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS
OF FIX./FIX. OR FIXED WDW. WITH OTHER MIAMI-DADE COUNTY
APPROVED WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS
IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

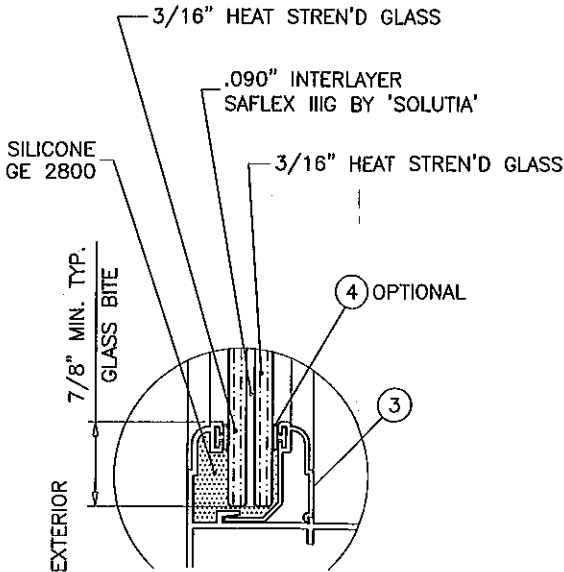
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

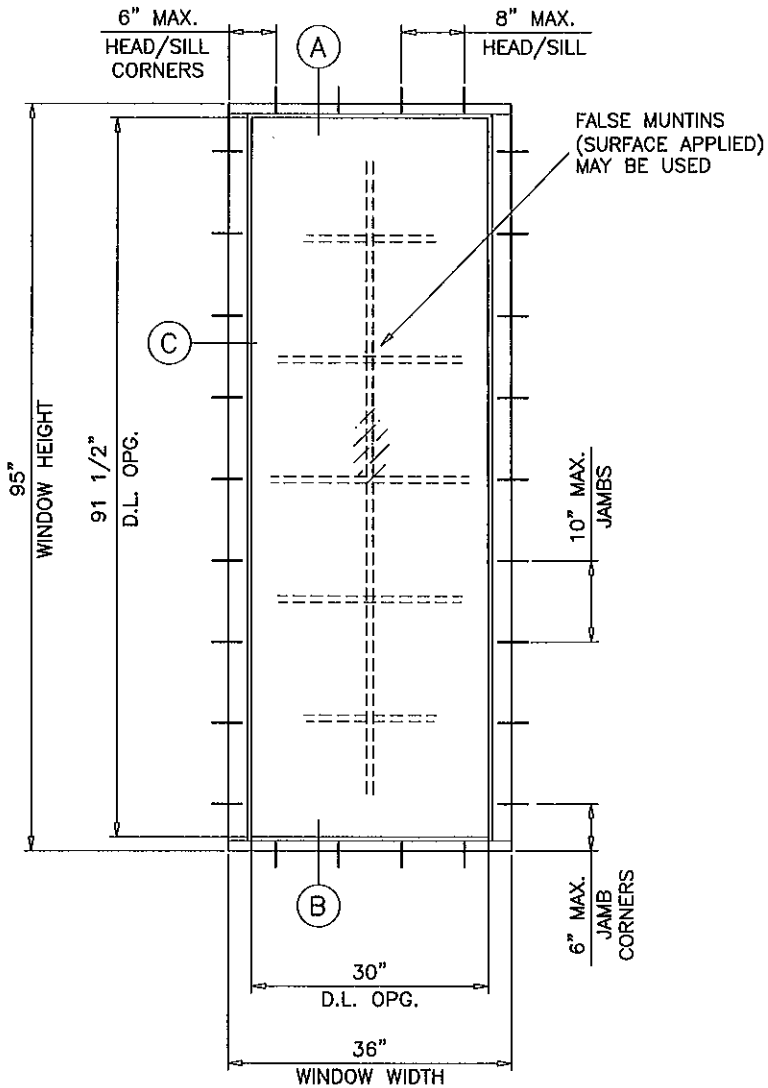
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME
INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.



GLAZING DETAIL



TYPICAL ELEVATION
TESTED UNIT

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CIVIL
FLA. P.E. # 70592
C.A.N. 3538
JAN 12 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0118.10
Expiration Date 01/01/2014
By: [Signature]
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W08-87AWP

SERIES 440 ALUMINUM FIXED WDW. (L.M.I.)

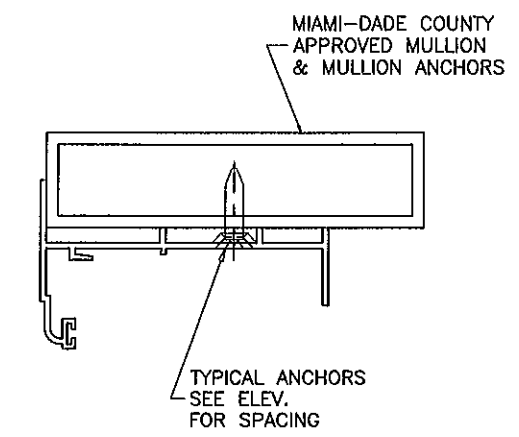
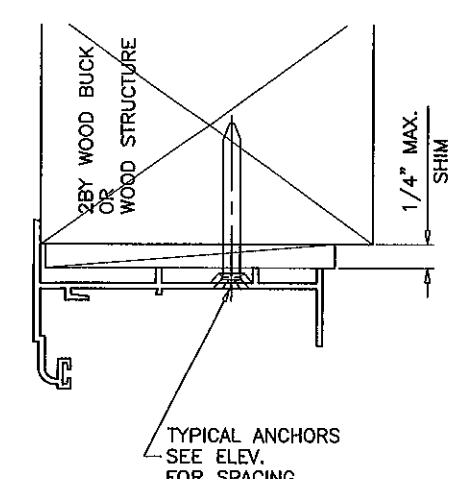
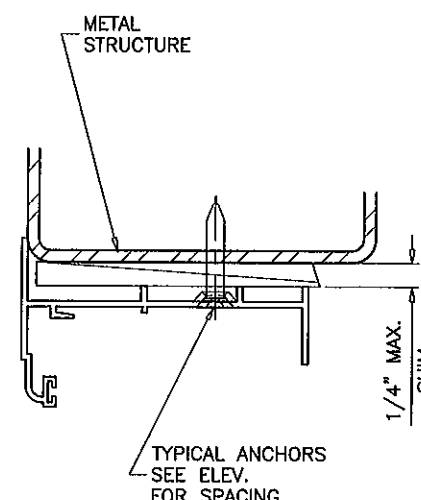
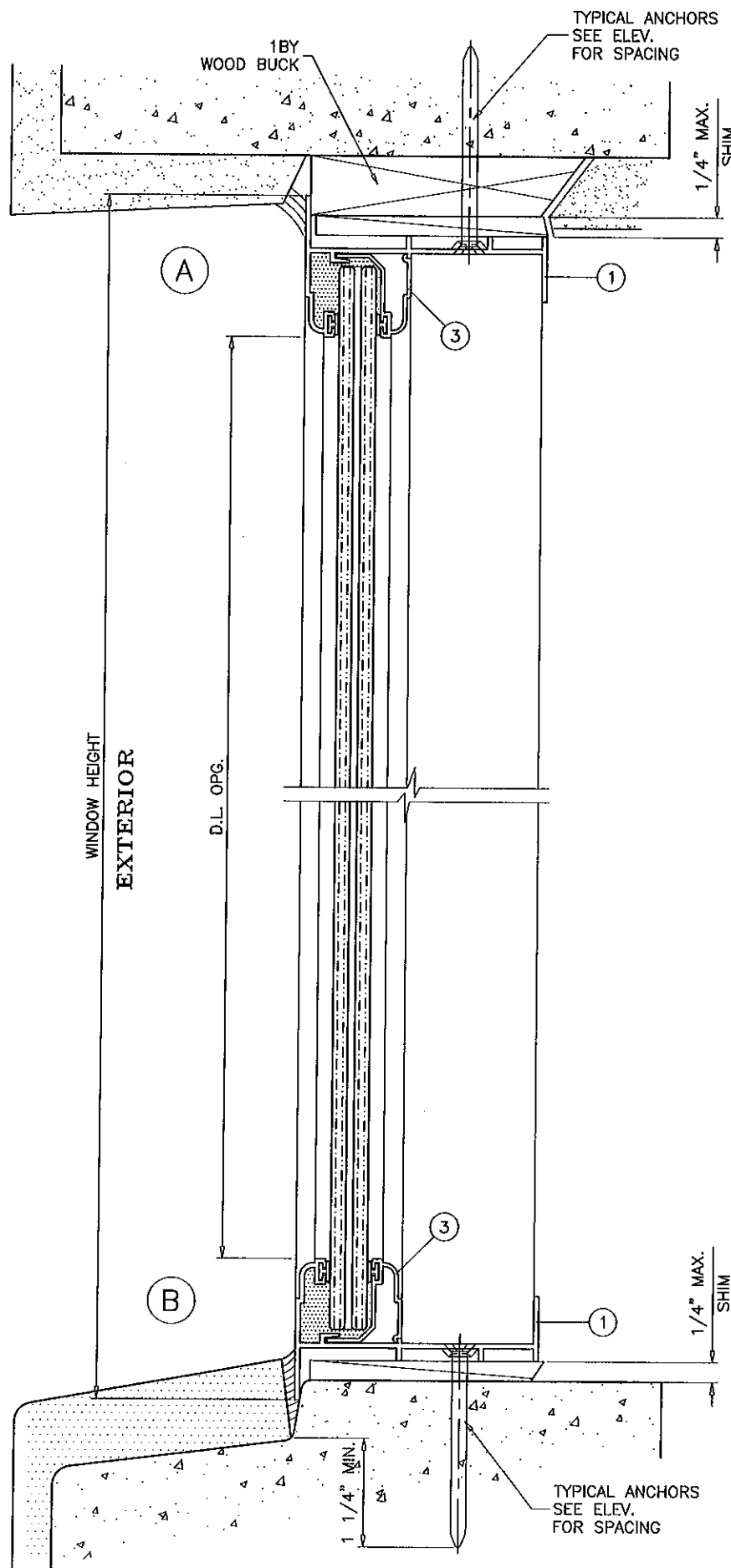
TRULITE WINDOW & DOOR SOLUTIONS, LLC
8130 N.W. 74TH AVE.
MEDLEY, FL. 33166
TEL (305) 887-2646 FAX (305) 883-1309

revisions:

no.	date	by	description
A	05.27.10		MANUF. NAME REVISED
B	12.23.11		UPDATED TO 2010 FBC, NAME REV

date: 10-28-08
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W08-87
sheet 1 of 3



WOOD BUCKS AND METAL STRUCTURE NOT BY TRULITE MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHORS TYPE 'A'

1/4" TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHORS TYPE 'B'

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
#12 SMS OR SELF DRILLING SCREWS
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.
 MASONRY f'm = 1500 PSI MIN.

SEALANTS:

FRAME CORNERS AND INSTALLATION SCREWS AT SILL
 SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

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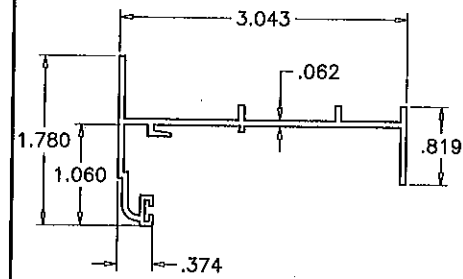
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revisions:	
no.	description
A	05.27.10 MANUF. NAME REVISED
B	12.23.11 MANUF. NAME REVISED

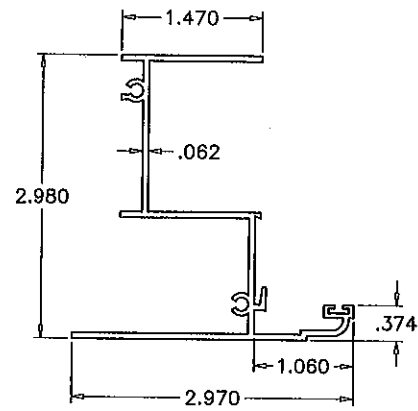
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W08-87
 sheet 2 of 3

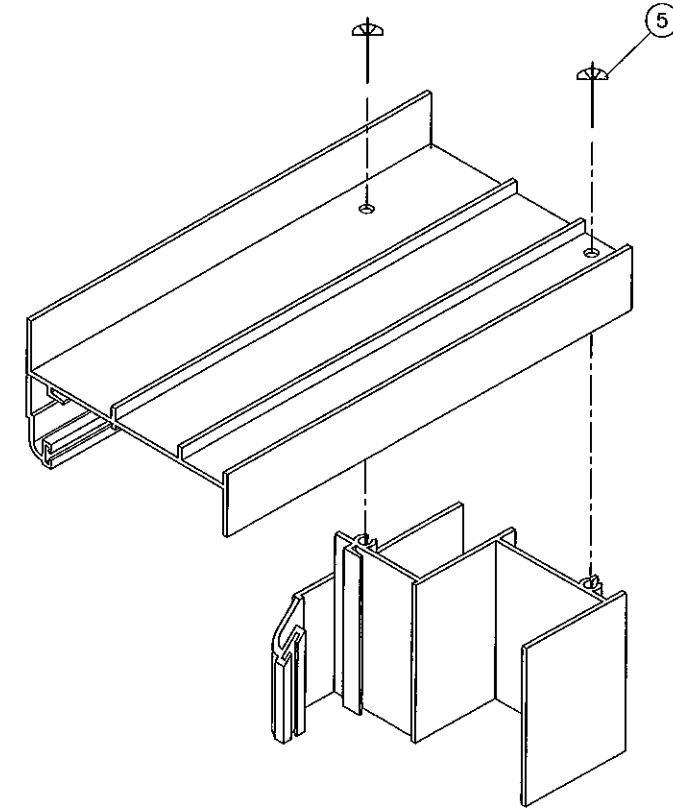
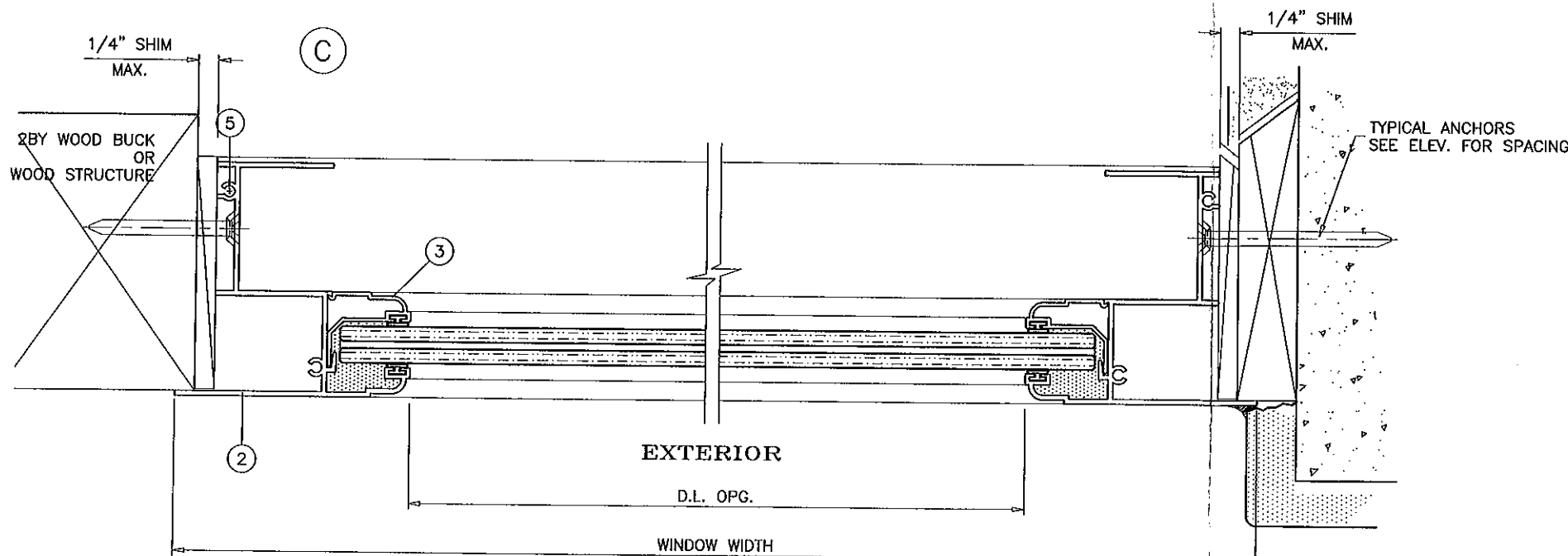
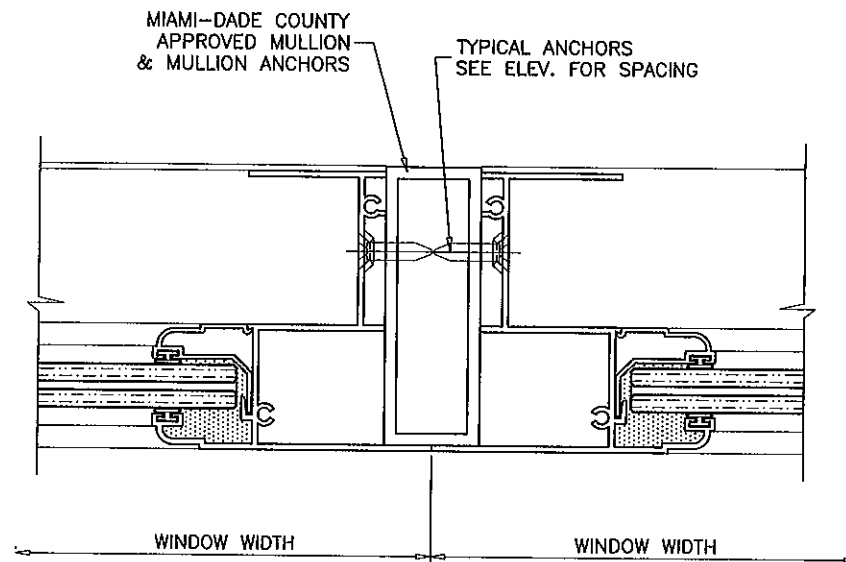
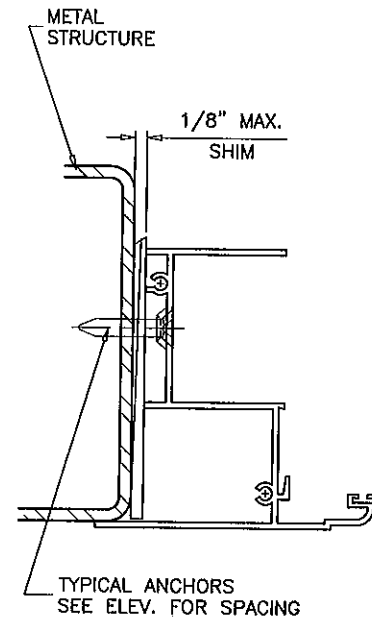
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	YE-1700	1	FRAME HEAD/SILL	6063-T5	-
2	YE-1702	2	FRAME JAMB	6063-T5	-
3	YE-1707	AS REQD.	GLAZING BEAD	6063-T5	-
4	YH-622	AS REQD.	GLAZING BULB VINYL	-	SULLIVAN & SULLIVAN
5	YF-10	AS REQD.	FRAME ASSEMBLY SCREWS	-	#8 X 1" P.H. SMS



FRAME HEAD/SILL



FRAME JAMB



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sheet 3 of 3